Earthdata UTC Meeting 10.27.2015

- 1. Attendance
- 2. EMS Status
- 3. Earthdata Login
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- 4. Earthdata
- 5. User Support Tool
- 6. CMR/ECHO/Earthdata Search
  - CMR/ECHO System Status
  - CMR Release Status
  - Earth Data Search Release Status
  - ECHO/Reverb Release Status
  - Upcoming PMs
- 7. GIBS
- 8. Worldview
- 9. Open Floor
  - a. Reminder: November SE TIM meeting at GSFC
  - b. Special Topics - first special topic TBD after TIM
  - c. Browser Usage
  - d. Change of Status Codes in CMR API

1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

2. EMS Status

Nelson Casiano

- **Upcoming/Ongoing Activities with Data Providers**
  - MODAPS - Setting up new provider (MODAPSNRT3) - November 15, 2015 to production
  - OBPG - Changing provider name (OB.DAAC) - In production
  - GHRC - Adding AMSR2NRT to EMS - in work
  - ORNL - In production
  - ECS UTC File Format Testing
    - Received test files from ECS.
    - EMS will not work with ISO 8601 format. Testing alternatives.

3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
  - Please get in touch (Peter Smith or Stanley Stewart) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
  - Current Sprint 2.58
  - In Production(Release 4.37)
- **GUI Updates**
  - Earthdata Login has received the 'Earthdata Makeover', currently in UAT (https://uat.urs.earthdata.nasa.gov). This will be moving into production on Thursday.

Sprint Status

Sprint	Start Date	Release	UAT Date	OPS Date
2.58	19 Oct 2015	4.40	05 Nov 2015	12 Nov 2015
2.57	05 Oct 2015	4.39	22 Oct 2015	29 Oct 2015
2.56	21 Sep 2015	4.38	08 Oct 2015	29 Oct 2015
2.55	07 Sep 2015	**4.37**	24 Sep 2015	01 Oct 2015

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Release 4.37 Tickets

URSFOUR-457 - Login error when opening two tabs at once.
URSFOUR-400 - Allow applications to specify a scope during authentication

Release 4.38 Tickets

URSFOUR-578 - Allow user to set scope on application pre-authorization
URSFOUR-571 - Enhance message in 401 authentication response

Release 4.39 Tickets

URSFOUR-490 - Some of the text is not visible for oauth/authorize and users/app_approve page after EUI changes.

Release 4.40 Tickets

URSFOUR-594 - Provide an ROPC implementation for URS
URSFOUR-593 - Provide a 'User Services' role within URS.

4. Earthdata

Brett McLaughlin Mark Reese

- DAAC SE
  - No PMs or deployments 11/2 - 11/5
- Current development
  - Primarily bug-driven

Recent Sprint Tickets

T	Key	Summary	Assignee	Reporter	P	Status
	URSFOUR-591	Mobile header doesn't display properly	Benjamin Hong	Mark Reese	↓	Ready for Test
	JSD-27	Add Acceptance Criteria to Jama and Jama sync	Nevin Apondo	Dana Shum	↑	Completed
	FBM-182	Expanding Feedback Details field hides the Submit button	Maitreyee Pasad	Nemanja Djuric	↓	Ready for Test
	ED-1598	Something wrong with Facebook share on Earthdata (Earthdata Service Desk)	Nathan Clark	Srinivasa Tummala	↑	Ready for Test
	ED-1595	Need to check if the COTS upgrades need any SSO config changes	Nevin Apondo	Srinivasa Tummala	↑	Completed
	ED-1592	External link indicators are not showing up for external search results.	Nathan Clark	Nathan Clark	↑	Ready for Test
	ED-1587	Search results page should say "# Matching Results", not "# Matching Pages".	Nathan Clark	Nathan Clark	↓	Ready for Test
	ED-1586	The result count for GSA results is not accurate.	Nathan Clark	Nathan Clark	↓	Ready for Test
	ED-1585	Server Error when selecting header image for featured page (Earthdata Service Desk)	Nathan Clark	Srinivasa Tummala	↓	Completed
	ED-1572	Social media links don't line up right under the heading on mobile devices.	Benjamin Hong	Nathan Clark	↓	Ready for Test
	ED-1559	Some pages don't show the breadcrumb (Earthdata Service Desk)	Nevin Apondo	Srinivasa Tummala	↓	Ready for Test
	ED-1541	As a content editor, I would like to be able to insert a horizontal rule on my page (Earthdata Service Desk)	Maitreyee Pasad	Srinivasa Tummala	↓	Ready for Test
	ED-1522	POI marker border rendering incorrectly in Firefox	Benjamin Hong	Benjamin Hong	↓	Ready for Test
	ED-1413	Featured page hero images do not scale/resize properly	Benjamin Hong	Mark Reese	↑	Ready for Test
	ED-1367	Add option tables to EUI components that need it	Mark Reese	Mark Reese	↓	Completed
	ECON-523	Action buttons are not properly spaced	Nevin Apondo	Mark Reese	↑	Ready for Test

5. User Support Tool

Stanley Stewart

Kayako Version 4.71.0 moved to Production on 10/15/15. No issues reported by any DAACs about the upgrade. New fresh appearance.

Total of Kayako Tickets Since Last UTC

	Closed	In Progress	On Hold	Open	Waiting	Waiting for DAAC	Waiting for User
ASDC	35	2		3	1	1	
CMR				1			

Cross-DAAC	1						
ECC	2			2			
ECHO	6					1	
EMS				1			
Earthdata	17			8	1		
Earthdata Search	3						
FIRMS	11	1		1			
GCMD	5	1					
GHRC	9			1			
LANCE	2	1					
LPDAAC	53		3	2		10	1
MODAPS	1						
ORNL DAAC	1						
PO.DAAC	7	1		4			2
Rapid Response	1						
Reverb	2			2			
URS	52			4			2
UUI		2		2			
Worldview	1						

6. CMR/ECHO/Earthdata Search

Doug Newman

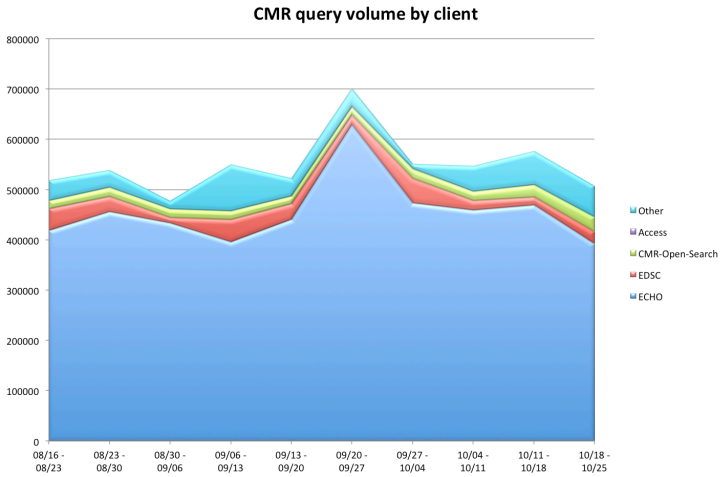
CMR/ECHO System Status

System Issues

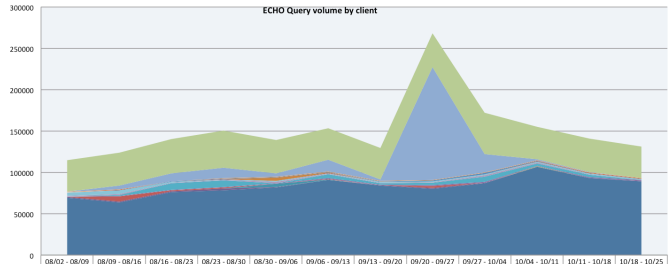
- 10/19/15 ECHO and CMR Partner Test and UAT outage

Recent Metrics

CMR client usage

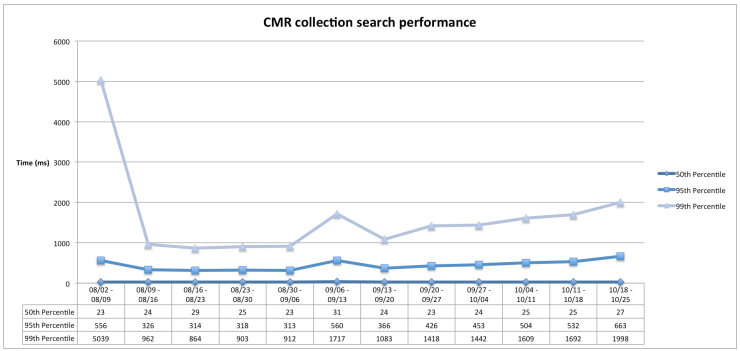


ECHO Client Usage

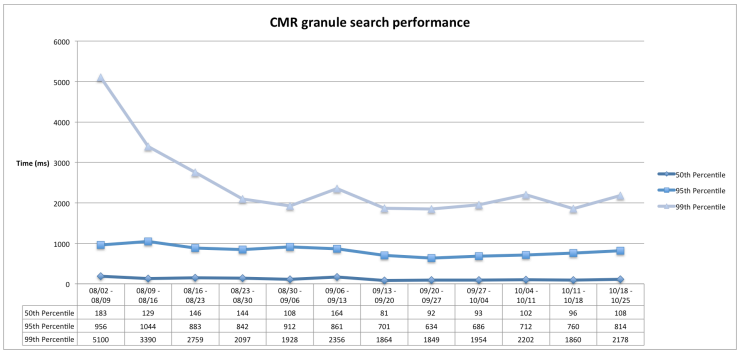


	08/02 - 08/09	08/09 - 08/16	08/16 - 08/23	08/23 - 08/30	08/30 - 09/06	09/06 - 09/13	09/13 - 09/20	09/20 - 09/27	09/27 - 10/04	10/04 - 10/11	10/11 - 10/18	10/18 - 10/25
Other	38196	39845	41394	44862	40328	37757	37761	40692	50241	39339	40424	38071
LPDAAC2DiskCLI	208	4938	9386	12350	3989	14483	1794	136700	22134	1190	195	62
LPDAAC2Disk	390	571	438	518	420	409	557	448	464	686	497	298
AUTOMOD	79	78	78	802	666	700	449	1006	1671	587	473	257
CSWSoap	0	0	0	0	4055	557	0	0	0	0	0	0
CrtApiUi	284	359	271	200	180	164	180	64	189	531	209	150
UAH	35	35	33	35	32	35	35	35	35	35	35	35
CRT	4165	4619	1243	782	923	973	999	1071	991	1053	1125	1047
PUMP	564	699	641	573	1805	311	560	586	1714	728	659	412
CWICTest	0	0	0	0	11	0	0	0	0	0	0	0
AVAPC	0	1549	7745	7752	0	4647	1549	3098	6196	3098	3098	0
Worldview	515	604	740	798	613	811	671	818	1184	808	900	1111
GSFCS4PA	43	40	56	55	40	35	57	61	73	46	56	38
GESDISC	0	6082	1144	814	18	805	0	2329	56	28	0	14
CWICSOAP	0	0	0	0	4055	557	0	0	0	0	0	0
GMUCWICWrapper	1361	1175	898	2468	175	189	687	1172	468	271	204	225
Reverb	69121	63479	76055	78411	81897	90669	84017	80073	86779	106707	92855	89267

CMR Query Performance



	08/02 - 08/09	08/09 - 08/16	08/16 - 08/23	08/23 - 08/30	08/30 - 09/06	09/06 - 09/13	09/13 - 09/20	09/20 - 09/27	09/27 - 10/04	10/04 - 10/11	10/11 - 10/18	10/18 - 10/25
50th Percentile	23	24	29	25	23	31	24	23	24	25	25	27
95th Percentile	556	326	314	318	313	560	366	426	453	504	532	663
99th Percentile	5039	962	864	903	912	1717	1083	1418	1442	1609	1692	1998



	08/02 - 08/09	08/09 - 08/16	08/16 - 08/23	08/23 - 08/30	08/30 - 09/06	09/06 - 09/13	09/13 - 09/20	09/20 - 09/27	09/27 - 10/04	10/04 - 10/11	10/11 - 10/18	10/18 - 10/25
50th Percentile	183	129	146	144	108	164	81	92	93	102	96	108
95th Percentile	956	1044	883	842	912	861	701	634	686	712	760	814
99th Percentile	5100	3390	2759	2097	1928	2356	1864	1849	1954	2202	1860	2178

CMR Release Status

In Production: 1.35

CMR-1849	As a client user, I want to be able to retrieve UMM JSON with ISO Topic Category
CMR-1859	As a client user, I want to be able to retrieve UMM JSON with science keywords
CMR-1866	As a client user, I want to be able to retrieve UMM JSON with related url
CMR-1969 *	As a Client User, when I delete a tag, I want to remove all of its associations with collection metadata records.
CMR-1989	UMM spec-lib schema should be changed to turn AccessConstraints and UseConstraints into arrays
CMR-2001	Add additional temporal extent mappings to UMM-JSON
CMR-2029	ISO XML generated from UMM is invalid with valid UMM JSON input
CMR-2030	Enable XML validation in UMM generation tests
CMR-2033	As a client, I want controlled keywords to be treated as case insensitive.
CMR-2035 *	Missing required fields from UMM-JSON to ISO translation
CMR-2037 *	umm-spec-lib generates and parses Instrument entries for ISO-19115-2 incorrectly.
CMR-2038 *	DIF9 data centers are not being returned in archive_center facets
CMR-2039 *	Fix ISO-19115-2 mapping differences for 'version' between umm-spec lib and the old umm lib
CMR-2047 *	Bulk indexing skips DIF10 collections
CMR-2050 *	Index science keywords subfields using the same case as KMS
CMR-2051 *	Internal server error from JSON collection query using tags

In UAT/SIT: 1.36

CMR-2088
As a CMR Administrator, I want to re-index tags using the indexer API.

CMR-2054
As a user, I want tags to be returned with my JSON collection search results so I may efficiently ret…

CMR-2046
Skipping failed catalog item. Exception trying to convert concept to elastic doc

CMR-2043
GET https://cmr.uat.earthdata.nasa.gov/search/tags returns tombstoned tags

CMR-2042
CMR should return 422 Unprocessable Entity errors for validation failures

CMR-1979
As a Client User, I want to receive an error message if I attempt to create, update, or delete tags wi…

CMR-1969
As a Client User, when I delete a tag, I want to remove all of its associations with collection metada…

CMR-1861
As a client user, I want to be able to retrieve UMM JSON with spatial extent fields

CMR-1852
As a client user, I want to be able to retrieve UMM JSON with metadata association

CMR-1840
As a client user, I want to be able to retrieve UMM JSON with data dates

Earth Data Search Release Status

In Production: 1.3

EDSC-520	As a user, I want zooming the timeline using the zoom button to center on my selected or focused temporal area so I may zoom in without additional scrolling
EDSC-540	As a user, I want the system to respond to my keyword searches from project and granule pages so I may understand the effects of my actions
EDSC-693	Going to dataset details and then searching needs to go back to dataset listing.
EDSC-727	As an open source developer, I want detailed documentation and examples for the edsc-timeline plugin so I may understand how to use the plugin
EDSC-790 *	Error searching for "octs" while logged in

In UAT/SIT: 1.4

EDSC-790
Error searching for "octs" while logged in

EDSC-785
EDSC orders not reaching NSIDC (Earthdata Search)

EDSC-784
Dataset thumbnail causes problems in some browsers

EDSC-783
Undo of removing granules does not work

EDSC-738
As an operations team member, I want an endpoint to describe the health of the application so I m…

EDSC-736
Invalid data ids will give a 500 error instead of a 404

EDSC-731
As an open source developer, I want to keep component versions up to date in the main repository …

EDSC-729
As an open source developer, I want a test suite for the edsc-timeline plugin so I may ensure new c…

EDSC-727
As an open source developer, I want detailed documentation and examples for the edsc-timeline pl…

EDSC-693
Going to dataset details and then searching needs to go back to dataset listing.

EDSC-679
EDSC Tour: Map View dialog that directs the user to "Select the Land/Water base layer" is confusing

ECHO/Reverb Release Status

In Operations: 10.107

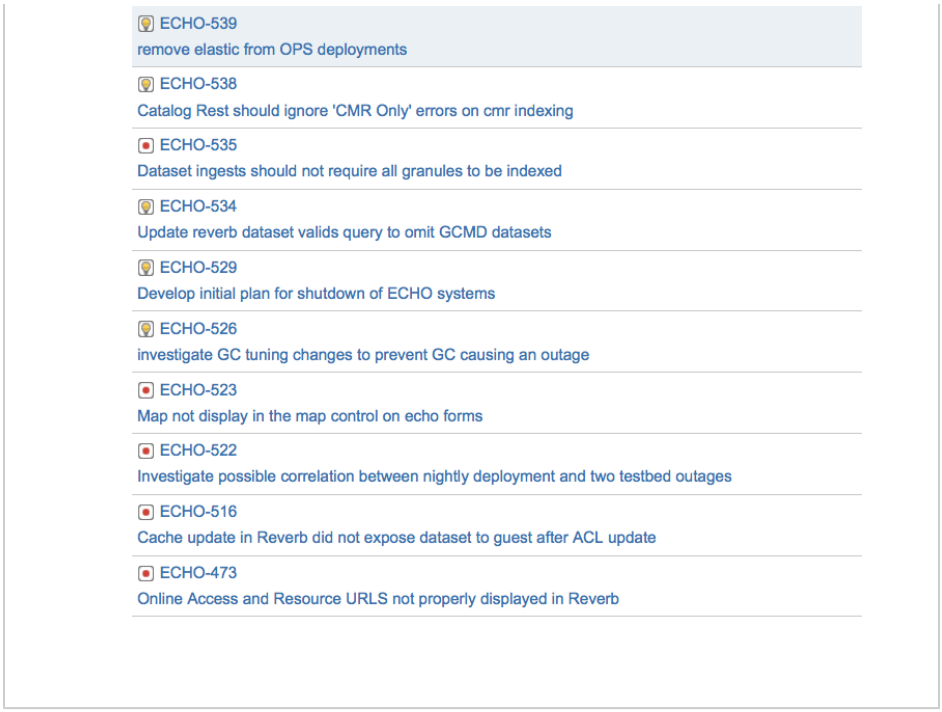
ECHO-518
Reverb should prevent concurrent valids loading

ECHO-492
"Step 2: Select Datasets" not properly loading MODIS or ASTER data.

ECHO-450
Test Catalog-Rest with catalog-rest db tables moved

ECHO-435
PUMP shows performance issues with some tasks when there are many providers

In Partner Test and Test Bed: 10.108



Upcoming PMs

28 Oct 2015

- CMR PROD and ECHO Operations OS patching

04 Nov 2015

- Earthdata Search: 1.4 to PROD, 1.5 to UAT
- CMR: 1.36 to PROD, 1.37 to UAT
- ECHO: 10.108 to Operations, 10.109 to Partner Test
- ECHO Test Bed and CMR SIT OS patching

7. GIBS

Matthew Cechini

- **New/Planned Products**
  - SRTM - 30m Elevation Model
    - Reviewing imagery with LPDAAC/USGS
  - Landsat WELD - 30m True Color / NDVI
    - Processed initial test layer and reviewing internally
  - MODIS Collection 6 - Atmosphere & Land Reprocessing
    - Atmosphere - Addressing Cloud Top Height colormap request
    - Land L2 - Waiting on next test imagery run
  - BEDI Activities - Reviewing sample imagery for the following instruments:
    - OMI - GES DISC
    - CERES - ASDC
    - MOPITT - ASDC
    - MISR Standard - ASDC
    - MISR NRT - ASDC
    - SSM - NSIDC
    - GHRSST - PODAAC
- **GIBS New Production Release**
  - Performing full integration and performance testing
  - Preparing for transition to new hardware for production imagery
  - SIPS GeoTIFF, WMS/CMR, & FTP handler preview releases delivered and being integrated by development team

8. Worldview

Taylor Gunnoe

9. Open Floor

a. Reminder: November SE TIM meeting at GSFC

Dates: November 3-5, 2015

Register at SE TIM Attendees November 2015

Meeting Agenda

b. Special Topics - first special topic TBD after TIM

c. Browser Usage

d. Change of Status Codes in CMR API

CMR error response bodies

ECHO includes both an error text and a short 'error code' (e.g. INVALID_XML) in the response body. CMR only returns the error text in the response body.

CMR returns 200 rather than 201 when a concept is created

CMR-2119 - documentation fix. CMR will continue to return a 200 status code on ingest creation and update.

Validation errors return 400 instead of 422

CMR-2042 - 1.36 - fix is in UAT right now. This fixes all cases where a 422 is the correct response. Some CMR 400 responses are appropriate.

Deleting a previously deleted dataset/granule gives 200 response code

CMR-2067 - 1.37 - fix is in development right now